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Autore	Purica Ionut
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Nota di contenuto	Contents; 1. Introduction: Reasons for Writing this Book, a Decision Theory Approach; 2. Nonlinear Models for the Labour Market; 3. Second Order Effects in Population Migration; 4. Cities: Reactors for Economic Transactions; 5. Considerations on the Reform in the Power Sector (Avoiding Chaos in the Path to an Optimal Market Structure); 6. A Model of Non-linear Dynamics in the Implementation of Decisions for the Evolution of Energy Technologies; 7. Non-linear Effects in Knowledge Production; 8. Institutional Structures as Benard-Taylor Processes; 9. Oscillatory Processes in Economic Systems 10. Final Thoughts on a Different Way of Looking at Economic Processes General References; Index
Sommario/riassunto	Using models, developed in one branch of science, to describe similar behaviors encountered in a different one, is the essence of a synergetic approach. A wide range of topics has been developed including Agent-based models, econophysics, socio-economic networks, information, bounded rationality and learning in economics, markets as complex adaptive systems - evolutionary economics, multi scale analysis and modeling, nonlinear dynamics and econometrics, physics of risk,

statistical and probabilistic methods in economics and finance. This  
publication concentrates on process behavior of economic

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